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Eindhoven (NL). **TOMA, Adrian** [RO/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **ANGELIS, Georgo, Z.** [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

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(74) Agents: **COHEN, Julius, S.** et al.; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

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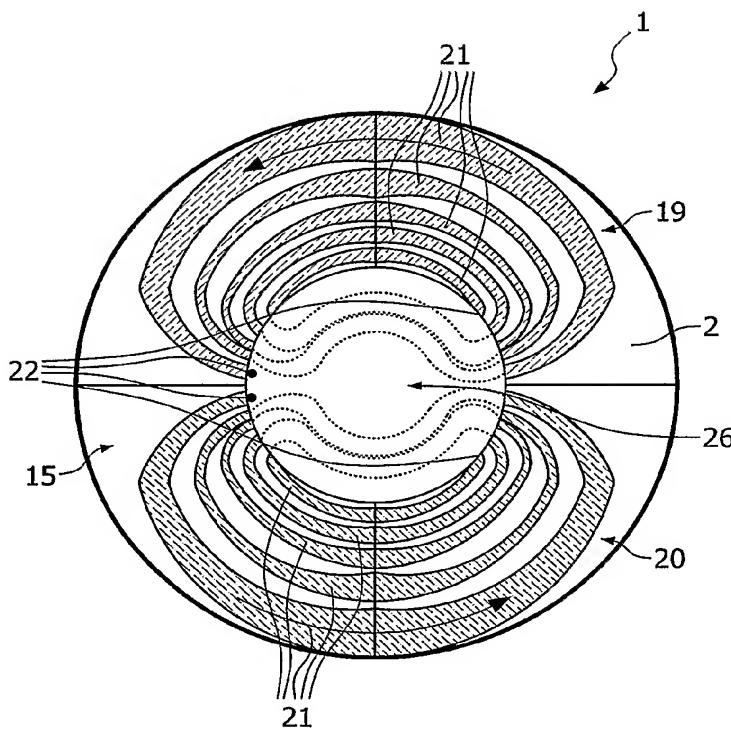
(71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL];
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ROOZEN, Nicolaas, B.** [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA

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(54) Title: MAGNETIC RESONANCE IMAGING DEVICE WITH AN ACTIVE SHIELDING DEVICE



(57) Abstract: The present invention relates to a magnetic resonance imaging (MRI) device. The basic components of an MRI device are the main magnet system, the gradient system, the RF system and the signal processing system. According to the present invention the magnetic resonance imaging device comprises at least one active shielding device (19, 20) assigned to the main magnet system (2), wherein the or each active shielding device (19, 20) is driven by an electrical current in order to reduce magnetic field penetration inside the main magnet system and to reduce mechanical forces induced in the main magnet system.

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